

Appl. No. 10/682,420  
Atty. Dkt. No. 042049-0106

**Detailed and Complete Listing of Claims:**

- 1-22 (Canceled).
23. (Withdrawn-Currently Amended-Withdrawn) An ~~insolated~~ isolated preparation of type B porcine circovirus.
24. (Withdrawn-Currently Amended) A preparation of porcine circovirus produced on, and isolated from cells in cell a cell culture *in vitro*, these cells having been infected with a porcine circovirus capable of being isolated from a physiological sample or from a tissue sample, especially lesions, from a pig having PMWS.
25. (Withdrawn) A preparation of porcine circovirus according to claim 24, produced on, and isolated from a pig kidney cell line.
26. (Withdrawn) A DNA fragment containing an ORF selected from the group consisting of ORF'1, ORF'2 and ORF'3.
27. (Withdrawn) A DNA fragment according to claim 26 comprising the ORF of ORF'1.
28. (Withdrawn) A polypeptide encoded by the polynucleotide of SEQ ID NO. 15.
29. (Withdrawn) An *in vitro* expression vector comprising the DNA sequence of ORF'1 (SEQ ID NO. 23).
30. (Withdrawn) A polypeptide produced by an expression vector of claim 29.
31. (Withdrawn) A vaccine comprising a polypeptide produced by an *in vitro* expression vector comprising the DNA sequence of ORF'1 (SEQ ID NO. 23).

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32. (Withdrawn) An *in vivo* expression vector comprising the DNA sequence of ORF'1 (SEQ ID NO. 23).

33. (Withdrawn) A plasmid vaccine comprising an expression vector of claim 32 and an acceptable pharmaceutical or veterinary vehicle.

34. (Currently Amended) A method of detecting porcine circovirus, ~~in which, wherein~~ in a sample of physiological fluid or a sample of tissue of a pig to be tested, a test is carried out for the presence of an antigen of said porcine circovirus ~~by seeking to detect either the antigen itself or the antibodies directed against this antigen.~~

35. (Withdrawn) A vaccine according to claims 31 or 33 comprising antigens of several porcine circoviruses.

36. (Withdrawn) A probe or primer comprising all or part of a sequence of the DNA fragment of claim 26.

37. (Withdrawn) A polyclonal or monoclonal antibody prepared from a polypeptide produced by an expression vector comprising the DNA sequence of ORF'1 (SEQ ID NO. 23), ORF'2 (SEQ ID NO. 25) or ORF'3 (SEQ ID NO. 27).